

ASPECT ORIENTED WEB SERVICE ACCESS FRAMEWORK

ABSTRACT

5 A web service request is received by an intermediary that performs a conversion of the
requestor's service interface to the service interface supported by a service provider
matching the requested service, then invokes that service. A reverse conversion is
performed when passing a reply to the requestor. The web serving intermediary
maintains a library of each target service in terms of the target service's tModel and on its
10 binding protocol support. The intermediary receives web service requests from
requestors including their source tModel and target web service information. The
intermediary identifies a mapping aspect to invoke the target web service from the aspect
library. The target service tModel is embodied in the mapping aspect which is weaved
into the code invoking the target service at runtime. In this way, the interface logic is
15 decided at run time.